

Figure 1: Two Phase Restoration System

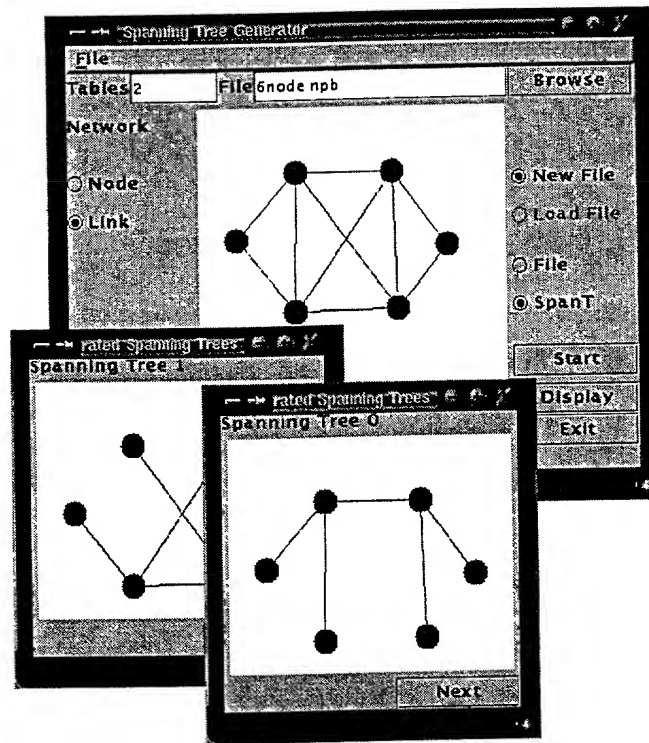


Figure 2: Spanning Tree Generator Screenshot

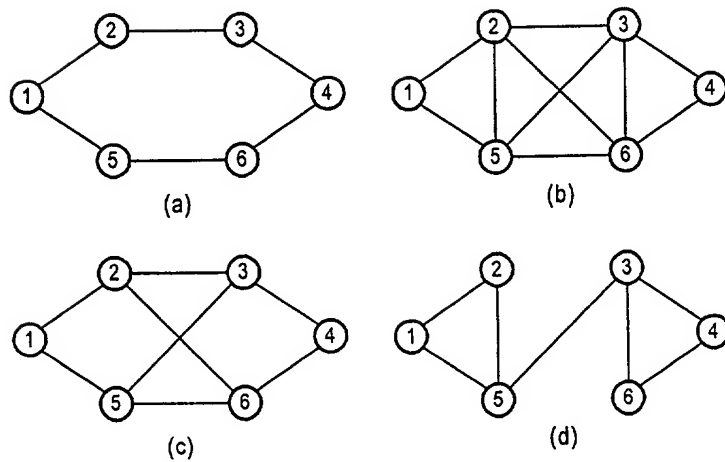


Figure 3: Example Networks

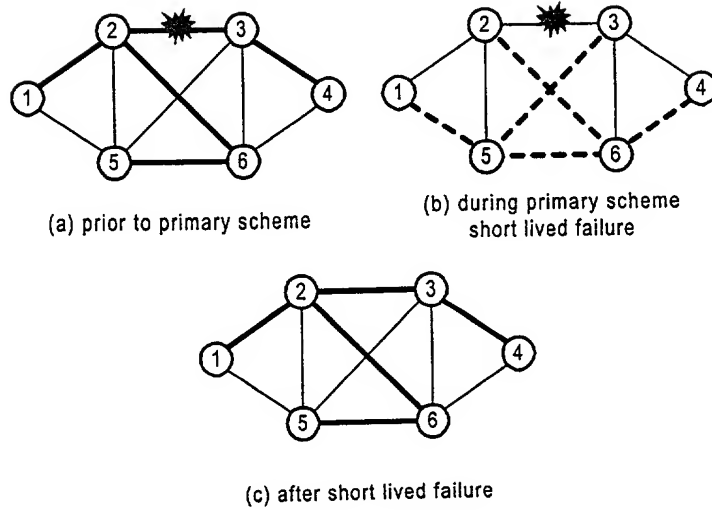


Figure 4: Routing Changes for Short Failures

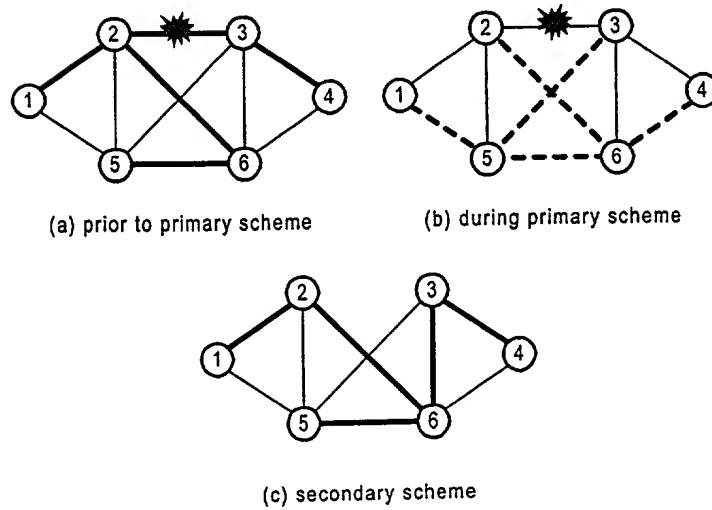


Figure 5: Routing Changes Persistent Failures